

## CLIMATOLOGICAL DATA FOR MAY, 1912.

## DISTRICT NO. 3, OHIO VALLEY.

Prof. FERDINAND J. WALZ, District Editor.

## GENERAL SUMMARY.

On account of the abnormally large amount of rainfall, the unusually large number of rainy days, and the small amount of sunshine that occurred during the months of March and April, May opened with conditions very unfavorable and decidedly backward for the season. During the first three or four days of May, however, the weather was generally fair and warm, which gave some relief to the situation. This proved temporary, however, as about the 4th, general rains again set in and continued almost daily until the 17th, inclusive. These continued rains still further delayed farming operations, and at this time the season was several weeks later than the average. Much of the staple crops had not been planted and a great deal of the soil lay unprepared.

About the 18th there came an abrupt change, and during the next 10 days the weather was generally warm and dry, local showers occurring only in the latter part of the period. During these 10 days the soil dried out to a considerable extent and outdoor work, which had been so greatly delayed, was pushed with vigor. At the close of the month, while much work had been accomplished and plant growth was making rapid advancement, there was still a great deal of soil unprepared and not planted. The general and heavy rains at the end of the month were mainly beneficial, and in some localities timely, as the surface soil had begun to bake.

The temperature conditions during the month as a whole were favorable, except that it was unseasonably cold in the period 12th-18th. Minimum temperatures of 40° were registered in practically all parts of the district, while in a few exposed places the temperature on one or two mornings was freezing. Light frost occurred in some exposed places, but there was no damage done, heavy frost being largely prevented by cloudiness and winds. Snow flurries occurred in the northeastern portion of the district on the 13th.

The following table summarizes the chief features of meteorological interest for the several sections of the district:

Portions of States included in the Ohio River Basin.	Temperature.				Precipitation.							
	Average.	Departure.	Highest.	Lowest.	Average.	Departure.	Greatest monthly.	Least monthly.	Greatest in 24 hours.	Average number of days.	Average snowfall.	
New York.....	57.6	+2.7	87	28	2.52	-1.50	2.62	2.39	1.00	12	0.1	
Pennsylvania.....	61.1	+1.9	91	29	2.54	-1.40	5.00	0.99	2.05	10	T.	
Maryland.....	58.1	+1.5	85	29	3.37	-1.11	4.05	3.03	1.60	10	T.	
West Virginia.....	63.5	+0.9	93	32	3.92	-0.23	7.50	1.16	2.87	11	T.	
Ohio.....	62.9	+1.5	91	31	3.30	-0.28	7.03	1.50	2.38	10	T.	
Indiana.....	65.1	+2.1	98	31	4.38	+0.27	10.26	2.45	3.10	11	0	
Illinois.....	66.3	+1.7	93	33	3.99	+0.24	5.84	2.67	2.99	10	0	
Kentucky.....	66.7	+1.0	97	37	4.51	+0.57	7.93	2.18	2.45	10	0	
Tennessee.....	67.5	+1.1	95	34	4.16	-0.06	7.49	1.60	3.06	10	0	
Alabama.....	68.5	-0.7	96	38	4.84	+0.50	7.13	2.40	3.62	8	0	
Georgia.....	65.0	+0.6	90	37	5.04	-0.28	6.24	3.83	3.18	10	0	
North Carolina.....	62.2	+0.4	92	31	4.23	+0.04	6.99	2.94	2.00	10	0	
Virginia.....	60.9	-0.1	88	29	3.89	-0.23	4.88	1.94	2.20	9	0	

## TEMPERATURE.

The temperature averaged slightly above normal in practically all sections of the district, there being only a few localities where there was a slight deficiency. The excess, however, was not great, ranging generally less than 3° for the various stations. The temperature conditions during the month divide into four distinct periods—two warm and two cold. The warm periods were the 1st-11th and 20th-28th; the cold periods 13th-18th and 29th-31st. The extremes of temperature were well within the limits of the records for May during past years.

The lowest temperatures as a rule were registered about the 13th, when minimum temperatures at the various stations ranged between 28° and 45°. The highest temperatures were registered about the 23d and 24th, with maximum temperatures ranging between 85° and 97°. Several prostrations from heat were reported, mostly from cities, on one or the other of the days mentioned, and one death from this cause occurred in Columbus, Ohio.

## PRECIPITATION.

Precipitation averaged about normal over the central and southern parts of the district and below normal over the northeastern portion, including Ohio. The greatest deficiency occurred in the western portions of New York, Pennsylvania, and Maryland, and the greatest excess in south central Kentucky. There was a considerable deficiency also in the western portion of Tennessee and southwestern Kentucky, over much of the area where the excessive rainfall of April occurred. The distribution of rainfall was about as follows: Over Pennsylvania, West Virginia, and the sections north of the Ohio River there were from 2 to 4.5 inches, except that over a considerable area in central Indiana and east central Illinois in the Wabash Basin the amount was in excess of 5 inches, one station in Indiana, Shoals, reporting over 10 inches. Over Tennessee and Kentucky the amounts were variable, ranging between 1.6 and 7.9 inches. As a rule the smaller amounts occurred in the western portions of these States and the greater amounts in the central portions. Over the upper watershed of the Tennessee in Alabama the rainfall was between 5 and 7 inches. Over the western portions of Virginia and North Carolina it ranged between 3 and 7 inches.

## MISCELLANEOUS.

Thunderstorms, attended by damaging lightning, wind, hail, or excessive rain, were somewhat frequent during the month in portions of the district, but in some sections, especially the more easterly, the number was considerably below the average usual in this month, except that in Tennessee thunderstorms of this nature were numerous in the eastern part but scattered and exceptionally few over the rest of that State.

The more noteworthy occurrences of these phenomena were:

May 3.—Lightning struck a residence in Lafayette, Ind., and three women were severely stunned: also a de-

structive hailstorm passed over Benton and Madison Counties of that State.

*May 5.*—A man was killed by lightning at Nashville, Tenn.

*May 6.*—Excessive rain caused freshets in small streams and several serious washouts, with one fatality, in north central Kentucky, the greatest damage being in Spencer and Scott Counties of that State.

*May 11.*—Hail did considerable damage in central Tennessee and western Alabama.

*May 11-12.*—Severe thunderstorms and heavy rains were quite general and damaging over considerable portions of Kentucky and southern Indiana. In Kentucky the damage reported was greatest in the central north-border counties, yet local damage occurred in other sections of the State. A man was killed by lightning at Middlesboro, Ky.

*May 16.*—Hailstorms did considerable damage in sections of Indiana, Kentucky, and Tennessee.

*May 24.*—Severe hailstorms occurred in western Kentucky and the southern portions of Indiana and Illinois. The hailstones which fell in north Christian County, Ky., were among the largest ever known in this section of the country. Hailstones were picked up which measured from 3 to 9 inches in circumference and ranged in size from that of a hen egg to that of a baseball, and were of all shapes. Calves, hogs, and barnyard fowls were killed by the hailstones and a number of people were severely injured. Gardens and crops were ruined, trees were stripped of their foliage, and hailstones were driven through shingle and metal roofs.

*May 28.*—At Leitchfield, Ky., Edna Haycroft, and at Montgomery, Trigg County, Ky., Rev. G. W. Darden were killed by lightning. A dynamite blast was pre-

maturely ignited and exploded by lightning at Bowling Green, Ky., injuring 7 persons.

#### RIVERS AND FLOODS.

The Ohio River was below flood stage during the month at all stations above Evansville, Ind. It was above flood stage at Henderson, Ky., on one day, the 4th; at Evansville, Ind., two days, the 3d and 4th; and at Cairo, Ill., from the 1st to the 12th, inclusive; but did not reach flood stage at Paducah, Ky.

In the larger tributaries flood stages were reached only in the Wabash and the Cumberland Rivers. The greatest damage from the floods in those rivers resulted from overflow of farm lands. In the Wabash the damage was mostly in the lowland section from the mouth of White River, near Mount Carmel, Ill., down to the Ohio. In the Cumberland River the greatest damage was done about Carthage, Nashville, and Clarksville, Tenn.

#### ENGINEERING NOTES.

Preliminary reports have been made regarding the drainage and protection of several thousand acres of lowlands along the Patoka and Wabash Rivers in Gibson and Posey Counties, Ind. The Patoka River is to be dredged and straightened from the Pike County line westward to the town of Patoka, and from this point to the Wabash a levee will be built on the south bank of the stream. This levee system will be extended southward along the Indiana bank of the Wabash nearly to New Harmony, and will protect the extensive and valuable bottom lands on the south side of both streams. The improvements involve about 70 miles of the river and will cost about \$500,000.

TABLE I.—Climatological data for May, 1912. District No. 3, Ohio Valley.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	Prevailing wind direction.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeasured.							
<i>New York.</i>																					
Allegany.....	Cattaraugus.....	1,441	6	57.5	.....	85	23	28	1	42	2.39	.....	0.65	0.3	15	9	12	10	nw.	Charles E. Whitney.	
Bolivar.....	Allegany.....	1,800	18	57.6	+ 2.7	87	23	28	1	44	2.56	- 1.46	1.00	T.	9	9	13	9	w.	Charles F. Hoffman.	
Olean.....	Cattaraugus.....	1,402	4	.....	.....	.....	.....	.....	.....	.....	2.62	.....	0.65	T.	11	.....	.....	.....	w.	John W. Alles.	
<i>Pennsylvania.</i>																					
Aleppo.....	Green.....	1,135	11	62.0	+ 1.0	87	24†	36	14	43	2.04	- 1.78	0.55	0	9	16	3	12	nw.	J. S. Hinerman.	
Baldwin.....	Butler.....	1,404	6	60.6	.....	86	22†	32	1	37	2.03	.....	0.40	0	11	16	5	10	w.	S. H. Templeton.	
Beaver Dam.....	Beaver.....	674	18	.....	.....	.....	.....	.....	.....	1.17	- 1.93	0.36	0	13	11	7	13	sw.	U. S. Engineer.		
Brookville.....	Jefferson.....	1,173	21	58.2	.....	86	24†	29	5†	44	1.51	- 2.31	0.45	0	8	17	0	14	w.	H. C. Bartholomew.	
Clarion.....	Clarion.....	1,078	27	.....	.....	.....	.....	.....	.....	1.72	- 2.61	0.85	0	7	17	0	14	w.	J. A. Miller.		
Claysville.....	Washington.....	1,127	8	63.4	.....	91	22	34	14	47	1.34	.....	0.37	0	12	15	10	6	w.	E. T. Buchanan.	
Confluence.....	Somerset.....	1,352	28	.....	.....	.....	.....	.....	.....	3.63	- 0.51	1.92	0.00	0	8	16	3	12	w.	Grant Pyle.	
Franklin.....	Venango.....	355	38	59.4	+ 1.0	86	24†	34	1†	36	2.54	- 0.77	0.74	T.	11	19	2	10	w.	F. E. Dixon.	
Freeport.....	Armstrong.....	772	39	.....	.....	.....	.....	.....	.....	1.96	- 1.99	0.55	0	12	14	6	11	.....	Mrs. Anna R. Burtner.		
Greensburg.....	Green.....	768	23	.....	.....	.....	.....	.....	.....	2.46	- 1.76	0.70	0	12	15	5	11	sw.	James G. Crainer.		
Greenville.....	.....	950	16	59.6	+ 1.9	87	23†	33	10	43	1.84	- 1.55	0.53	T.	8	19	7	5	w.	A. M. Orr.	
Indiana.....	Indiana.....	1,350	15	62.4	+ 2.7	89	28	33	14	40	3.55	.....	0.85	T.	10	15	9	7	w.	R. W. Wehrle.	
Johnstown.....	Cambria.....	1,184	24	62.8	+ 1.5	90	22	37	14	43	5.00	+ 0.67	1.84	0	13	13	5	10	sw.	E. C. Lorentz.	
Lock No. 4.....	Washington.....	718	26	.....	.....	.....	.....	.....	.....	2.25	- 1.60	0.65	0	7	11	10	10	s.	R. T. McGowan.		
Lycippus.....	Westmoreland.....	1,420	20	62.7	+ 1.1	83	22†	38	1	34	2.91	- 1.08	0.97	0	9	.....	.....	.....	.....	Murray Forbes.	
Pittsburgh.....	Allegheny.....	842	42	63.8	+ 1.2	86	23	39	13	29	1.56	- 1.74	0.49	0	9	12	10	9	sw.	U. S. Weather Bureau.	
Saegerstown.....	Crawford.....	1,116	21	58.8	+ 1.7	84*	23	30	14	40*	3.96	- 0.58	1.07	T.	13	6	12	13	w.	J. G. Apple.	
Skidmore.....	Lawrence.....	1,000	8	59.4	.....	85	23†	34	10†	41	2.05	.....	0.50	0	5	20	2	9	sw.	W. H. Stoner.	
Somerset.....	Somerset.....	2,250	56	59.8	+ 2.9	87	22	31	1	45	4.53	- 0.84	2.05	0	9	12	9	10	sw.	W. M. Schrock.	
Uniontown.....	Fayette.....	999	24	65.0	+ 3.3	90	28†	40	1†	43	2.42	- 1.97	0.75	T.	9	2	17	12	w.	Wm. Hunt.	
Warren.....	Warren.....	1,137	23	59.3	+ 2.6	86	23†	31	14	39	2.78	- 2.01	0.48	1.0	10	14	1	16	sw.	Anna Simpson.	
<i>Maryland.</i>																					
Deer Park.....	Garrett.....	2,457	18	57.8	+ 1.2	85 <sup>b</sup>	24	29†	15	50 <sup>b</sup>	3.03	- 1.60	1.35	0	8	.....	.....	.....	.....	.....	S. P. Specht.
Grantsville.....	do.....	2,351	18	58.8	+ 1.5	84	22	34	15	44	4.05	- 0.67	1.60	T.	8	9	12	10	s.	J. S. Miller.	
Oakland.....	do.....	2,461	12	57.7	+ 1.9	82	22†	31	15	47	3.03	- 1.66	1.32	T.	15	15	10	6	w.	R. E. Weber.	
<i>West Virginia.</i>																					
Bancroft.....	Putnam.....	574	10	67.2	.....	91	19†	34	18	51 <sup>a</sup>	4.31	.....	0.96	0	10	16*	0*	14*	ne	R. E. Dent.	
Beckley.....	Beckley.....	2,440	12	60.4	+ 0.8	83	29	36	10	41	5.44	+ 1.72	1.68	0	8	16	5	10	w.	John A. Ewart.	
Bens Run.....	Pleasant's.....	622	10	63.8	+ 0.2	88	22†	41	14†	41	2.40	- 2.55	0.89	0	8	23	5	3	.....	J. D. Riggs.	
Bluefield.....	Mercer.....	2,563	17	63.4	+ 1.0	84	3	41	10	39	4.03	- 0.17	1.10	0	.....	11 <sup>b</sup>	8 <sup>b</sup>	10 <sup>b</sup>	.....	Norfolk & Western Ry.	
Buckhannon.....	Upshur.....	1,472	21	61.6	- 0.8	88	23†	34	15	45	4.08	- 0.25	0.84	0	10	19	5	7	.....	H. A. Darnall.	
Cairo.....	Ritchie.....	667	10	64.0	0	90	23†	37	18	43	3.39	- 0.28	0.90	0	10	8	16	7	.....	Van A. Zevely.	
Central Station.....	Doddridge.....	900	11	.....	.....	.....	.....	.....	.....	1.72	- 1.24	0.83	0	12	17	6	8	w.	G. W. Sherwood.		
Charleston.....	Kanawha.....	598	24	66.3	.....	89	28	43	13†	36	2.76	- 1.24	0.83	0	12	17	6	8	w.	R. C. Hewes.	
Creston.....	Wirt.....	612	11	64.4	+ 1.1	88	23†	39	15†	43	4.06	+ 0.61	1.20	0	13	14	6	11	sw.	J. M. Reed.	
Cuba.....	Jackson.....	544	10	63.2	+ 0.2	86	23†	36	18	40	3.25	- 0.13	0.79	0	9	20	2	2	w.	C. T. Perry.	
Doane.....	Wayne.....	6	.....	.....	.....	.....	.....	.....	42	10†	5.20	.....	0.75	0	14	8	15	15	w.	L. A. Smith.	
Elkhorn.....	McDowell.....	1,933	19	62.8	+ 0.2	87	23	39	10†	43	4.02	- 0.28	0.95	0	11	17	3	11	w.	J. J. Lincoln.	
Elkins.....	Randolph.....	1,940	13	60.7	+ 1.5	89	23	36	14	44	4.35	+ 0.37	1.43	0	14	12	8	11	w.	U. S. Weather Bureau.	
Fairmont.....	Marion.....	879	18	64.4	.....	91	23†	39	14†	43	4.34	- 0.41	0.85	0	12	17	5	9	w.	F. P. Hall.	
Glenville.....	Gilmer.....	738	22	66.4	+ 3.1	93	23†	40	14†	41	4.36	+ 0.30	0.95	0	15	21	3	7	sw.	Joe N. Craddock.	
Grafton.....	Taylor.....	985	18	65.2	+ 3.3	89	21	38	14†	46	3.79	- 0.45	0.90	0	14	15	4	12	w.	Joseph Gerken.	
Green Sulphur Springs.....	Summers.....	1,600	16	62.0	+ 0.3	86	23	36	10	44	4.39	+ 0.87	1.59	0	13	15	6	10	w.	Arthur George.	
Hinton.....	Hinton.....	1,400	16	64.8	+ 0.5	90	23†	36	10†	44	4.36	+ 0.95	2.04	0	11	16	6	9	sw.	J. B. Lavender, C. E.	
Holcomb.....	Nicholas.....	1	.....	.....	.....	.....	.....	.....	5†	17	5.17	.....	1.35	0	14	14	3	14	.....	R. E. Ferguson.	
Huntington.....	Cabell.....	510	17	65.7	+ 0.8	90	23	36	12	45	4.37	- 1.47	1.34	0	12	18	4	9	w.	L. H. Hutchinson.	
Lewisburg.....	Greenbrier.....	2,200	11	61.2	+ 0.4	84	22	35	18	39	3.43	- 0.49	0.79	0	8	22	7	2	sw.	Geo. T. Argabrite.	
Logan.....	Logan.....	665	10	67.4	+ 0.8	89	24	44	14	39	4.34	+ 0.22	1.25	0	16	19	7	5	se.	Dr. J. E. McDonald.	
Lost Creek.....	Harrison.....	1,033	15	60.0	- 1.2	87	24	33	14	38	4.30	- 2.27	0.93	0	10	19	1	11	w.	Allen Smith.	
Madison.....	Boone.....	704	8	65.2	.....	89	23	43	10	39	5.67	.....	0.90	0	15	8	11	7	w.	S. E. Bradley.	
Mannington.....	Marion.....	967	10	62.0	.....	86	23†	36	14†	44	2.84	- 1.11	0.91	0	11	15	9	7	sw.	Jas. A. Morgan.	
Marlinton.....	Pocahontas.....	2,169	17	58.9	- 0.7	87	23	32	18	47	4.52	+ 0.54	1.32	0	11	16	10	5	sw.	C. J. McCarty.	
Morgantown.....	Monongalia.....	1,250	36	64.6	+ 2.1	87	23†	41	13†	36	2.79	- 0.50	0.76	0	8	18	4	9	s.	Horace Atwood.	
Moundsville.....	Marshall.....	640	10	64.4	+ 1.3	90	23	38	14	44	4.24	- 1.72	0.50	0	7	18	4	9	sw.	M. L. Brown.	
New Cumberland.....	Hancock.....	987	14	63.0	+ 2.1	88	23†	37	10†	42	1.73	- 1.52	0.50	0	8	15	1	15	s.	Frank S. Evans.	
New Martinsville.....	Wetzel.....	634	18	64.8	+ 1.1	90	23	40	14†	44	2.44	- 1.19	0.60	0	9	20	5	6	s.	Wm. Ankrum.	
Nuttallburg.....	Fayette.....	2,252	18	65.2	+ 1.8	88	23	42	15	35	3.47	- 0.02	1.07	0	10</td						

TABLE 1.—Climatological data for May, 1912. District No. 3—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.		
				Mean.	Departure from the normal.			Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeasured.	Number of rainy days, 0.01 inch or more.			
					Highest.	Date.	Lowest.													
<b>Ohio—Continued.</b>																				
Cambridge.....	Guernsey.....	803	20	61.1	+ 0.4	85	23	36	10†	42	2.19	- 1.33	0.69	0	8	11	19	1	Samuel Mehaffey.	
Camp Dennison.....	Hamilton.....	570	19	65.0	+ 1.0	90	23	41	18	36	4.82	+ 0.45	2.00	0	15	17	11	3	Henry F. Pinkyoss.	
Canal Dover.....	Tuscarawas.....	884	19	61.8	+ 1.4	87	23	37	10	45	2.72	- 0.82	1.01	0	10	12	16	5	Ed. S. Slingluff.	
Canton.....	Stark.....	1,089	29	62.2	+ 2.5	87	23	37	13	37	3.37	- 0.62	1.42	T.	12	16	4	11	Carl H. Meyer.	
Cardington.....	Morrow.....	1,010	17	60.7	+ 2.2	87	23	35 <sup>k</sup>	13	31 <sup>c</sup>	4.32	+ 1.05	2.38	0	8	14	0	17	J. W. Shaw.	
Chillicothe.....	Ross.....	630	9	62.4	+ 1.1	85	23	38	13	30	3.26	- 0.91	0	0	7	11	7	13	Marion Mackey.	
Cincinnati.....	Hamilton.....	628	41	66.2	+ 1.1	88	23	42	13	27	2.64	+ 1.12	1.57	0	13	12	8	11	U. S. Weather Bureau.	
Circleville.....	Pickaway.....	694	24	64.6	+ 1.4	80	22†	39	13	37	3.58	- 0.02	0.65	0	13	14	5	12	Dr. H. R. Clarke.	
Clarington.....	Monroe.....	600	9	62.3	.....	80	24	37	10	43	1.80	.....	0.45	0	10	16	3	12	Col. S. Tschappard.	
Columbus.....	Franklin.....	918	34	64.2	+ 1.9	86	23	38	13	29	2.65	- 1.07	0.74	0	11	14	11	6	U. S. Weather Bureau.	
Coshocton.....	Coshocton.....	770	3	62.4	.....	86	23	38	13	29	3.30	.....	0.80	0	9	11	7	13	Mrs. Ada Jeffries.	
Dayton (1).....	Montgomery.....	899	64.4	+ 1.8	86	23	38	13	30	2.27	- 1.61	0.85	0	13	11	7	13	U. S. Weather Bureau.		
Dayton (2).....	do.....	780	31	64.7	+ 1.8	88	23	38	13	33	2.25	- 1.58	0.65	0	9	11	7	13	Mrs. Edith E. L. Boyer.	
Delaware.....	Delaware.....	896	15	63.1	+ 2.6	88	23	36	13	37	1.9	- 0.85	0.80	0	11	20	4	7	De Witt H. Leas.	
Demos.....	Belmont.....	1,325	24	62.6	+ 1.4	88	22†	37	13	36	1.81	- 1.64	0.51	0	10	20	5	6	J. T. Dysart.	
Dennison.....	Tuscarawas.....	846	2	64.0	.....	88	23	36	14	43	1.96	.....	0.79	0	8	17	11	3	Water Supply Co.	
Frankfort.....	Ross.....	745	20	64.2	+ 1.4	91	22†	40	13	36	4.04	+ 0.47	0.89	0	9	14	7	10	O. A. Cory.	
Gallipolis.....	Gallia.....	Portage.....	1,005	28	59.1	+ 2.2	85	23	32	13	37	3.39	.....	1.15	0	10	12	11	13	Samuel B. Neal.
Granville.....	Licking.....	960	30	63.0	+ 2.4	87	23	37	13	36	3.70	+ 0.10	0.73	0	11	13	1	17	S. M. Luther.	
Gratiot.....	do.....	1,000	23	62.4	+ 1.6	88	23	35	13	35	2.73	- 0.83	1.05	0	12	11	17	3	R. L. Renshaw.	
Green.....	Adams.....	500	19	64.7	+ 0.5	90	24	41	17	45	7.03	+ 3.26	1.25	0	13	13	13	5	C. H. Morris.	
Green Hill.....	Columbiana.....	1,135	19	58.7	+ 0.6	88	20†	34	10†	38	2.86	- 0.16	1.57	T.	8	13	15	3	Prof. T. D. Biscoe.	
Greenville.....	Darke.....	1,060	26	65.0	+ 4.5	88	23	36	13	37	2.83	- 1.09	0.70	0	13	9	12	10	Geo. A. Katzenberger.	
Hamilton.....	Butler.....	601	do.....	64.4 <sup>e</sup>	.....	91 <sup>e</sup>	22†	37	18	46 <sup>e</sup>	2.45	.....	0.50	0	8	11	5	4	Earl W. Stout.	
Haydenville.....	Hocking.....	700	29	64.0	+ 1.9	86	21†	39	13	33	3.95	+ 0.48	0.96	0	13	17	5	9	H. W. Stiers.	
Hillsboro.....	Highland.....	1,063	33	64.0	+ 1.9	86	21†	39	13	33	3.95	+ 0.48	0.96	0	12	16	11	4	Carey H. Roush.	
Ironton.....	Lawrence.....	575	29	65.8	+ 2.4	91	23	40	18	39	3.43	- 0.26	0.63	0	12	16	11	4	James Bull.	
Jacksonburg.....	Butler.....	975	44	do.....	64.4 <sup>e</sup>	.....	91 <sup>e</sup>	22†	37	18	46 <sup>e</sup>	2.45	.....	0.50	0	8	11	5	4	Dr. J. B. Owsley.
Kenton.....	Hardin.....	1,015	20	60.8 <sup>b</sup>	+ 0.6	85 <sup>b</sup>	23	31 <sup>a</sup>	13	38 <sup>a</sup>	2.75	- 1.29	1.25	0	7	18	10	3	N. S. Martin.	
Killbuck.....	Holmes.....	1,087	19	62.2	+ 1.7	87	23	36	13	35	4.50	+ 0.86	1.10	T.	11	12	6	5	Lloyd C. Schonauer.	
Lancaster.....	Fairfield.....	888	17	64.0	+ 2.1	87	23	39	13	31	4.04	- 0.05	1.44	0	10	18	2	11	R. L. Renshaw.	
Mc Connellsburg.....	Morgan.....	710	28	63.4	+ 1.4	86	23	39	10†	38	2.69	- 1.12	0.62	0	11	11	9	11	C. H. Morris.	
Marietta.....	Washington.....	627	92	65.4	+ 2.5	89	22†	40	18	38	3.01	- 0.86	0.79	0	10	13	11	7	Prof. T. D. Biscoe.	
Marion.....	Marion.....	980	34	64.4 <sup>b</sup>	+ 3.2	86	23	34 <sup>a</sup>	13	41 <sup>a</sup>	3.82	+ 0.19	1.01	T.	10	12	15	4	Dr. E. H. Raffensperger.	
Mifflordton.....	Knox.....	1,200	29	61.6	+ 2.2	84	23 <sup>a</sup>	34	13	36	3.09	- 0.82	0.73	0	9	18	8	5	L. H. Burgess.	
Milligan.....	Perry.....	875	19	62.2	+ 0.4	86	23	36	18	40	3.40	+ 0.01	0.72	0	10	13	15	3	V. C. Eveland.	
Millport.....	Columbiana.....	1,145	19	60.3	+ 1.3	84	22†	34	10	40	4.15	- 1.11	0.95	T.	10	10	16	5	G. F. Copeland.	
Nellie.....	Coshocton.....	850	12	61.7	+ 0.7	87	28	33	12	48	3.14	- 0.29	1.65	0	8	19	8	4	Ethel L. Gammertsfelder.	
New Alexandria.....	Jefferson.....	1,050	27	59.7	- 1.7	90	27	32	12	47	2.25	- 1.39	1.25	0	4	20	4	7	Mrs. Mary K. Pennell.	
New Berlin.....	Stark.....	1,100	19	60.4	+ 0.7	88	22†	34	13	38	2.95	- 0.61	1.10	T.	10	20	5	6	Clayton Holl.	
New Waterford.....	Columbiana.....	1,053	17	61.2	+ 0.2	86	23	34	14	41	3.02	- 1.35	0	0	7	14	3	3	Sam. C. Scott.	
O. S. University.....	Franklin.....	757	29	63.4	+ 2.2	86	23	38	13	32	2.99	- 1.00	0.77	0	12	15	6	10	Prof. J. H. Lord.	
Pataskala.....	Licking.....	1,015	20	62.4	+ 1.1	85	23	37	13	32	4.82	+ 1.20	1.47	0	14	11	17	3	J. N. Ridenour.	
Peebles.....	Adams.....	645	1	63.2	.....	87	22†	37	14†	44	3.61	.....	0.67	0	11	14	11	6	Ora O. Smalley.	
Philo.....	Muskingum.....	1,018	17	63.4	+ 0.6	86	23	36	13	30	2.32	- 1.27	0.51	0	9	12	16	3	L. C. Burckholter.	
Piqua.....	Miami.....	847	2	62.2	.....	87	23	36	13	30	4.49	.....	0.95	0	10	14	4	13	Harry L. Roberts.	
Plattsmouth.....	Clark.....	1,130	19	62.8	+ 1.3	84	23	35	13	30	4.42	+ 0.97	1.53	0	10	13	8	10	F. E. Stewart.	
Portsmouth.....	Scioto.....	527	81	65.7	+ 0.7	88	22†	43	13	33	3.99	+ 0.41	0.81	0	11	15	2	14	Dr. H. A. Schirrmann.	
Prospect.....	Marion.....	909	2	62.4	.....	87	23	36	13	30	3.10	.....	1.80	0	7	11	1	1	Neil J. Gast.	
Shenandoah.....	Richland.....	1,100	20	60.7	+ 1.9	85	23	33	13	35	2.49	- 1.39	0.61	0.2	10	5	21	5	T. B. Arnett.	
Sidney.....	Shelby.....	958	29	63.3	+ 1.6	90	23	33	13	37	2.26	- 2.07	0.88	0	13	17	2	12	Hamline B. Blake.	
Somerset.....	Perry.....	1,080	13	64.2	+ 1.0	89	23	38	13	37	2.72	- 1.21	0.43	0	13	15	13	3	Miss M. W. C. Sheridan.	
Springfield.....	Clark.....	980	18	63.4	.....	87	23	36	13	35	4.93	+ 1.31	1.84	0	14	10	17	4	W. A. Webster.	
Summerfield.....	Noble.....	1,187	6	62.0	.....	87	23†	36	10†	44	2.07	.....	0.48	0	11	13	15	3	H. R. McClintock.	
Syracuse.....	Meigs.....	583	1	64.8	+ 0.5	86	23	40	15	32	3.41	+ 0.56	0.75	0	6	13	7	11	E. C. Campbell.	
Thurman.....	Gallia.....	696	19	64.8	+ 0.5	86	23	35	13	39	3.40	- 0.10	1.62	0	9	12	15	4	D. D. Thomas.	
Urbana.....	Champaign.....	1,031	44	63.2	+ 2.3	88	23	35	13	45	3.58	- 0.10	0.86	T.	9	15	9	7	Prof. J. H. Williams.	
Warren.....	Trumbull.....	900	23	62.7	+ 4.0	89	22†	35	13	45	3.58	- 0.10	0.86	0	13	11	3	17	M. D. McCorkle.	
Waverly.....	Jennings.....	590	29	63.6	- 0.5	87	22†	41	10†	37	5.59	+ 1.79	1.13	0	12	22	4	5	Dr. Fern Hutt.	
Waynesville.....	Wayne.....	700	27	63.4	+ 1.4	84	23	38	13	31	4.57	+ 0.57	2.07	0	11	17	1	13	Charles Michener.	
Wooster.....	Connorsville.....	1,030	33	61.2	+ 2.6	86	23	36	13	35	6.65	+								

TABLE 1.—Climatological data for May, 1912. District No. 3—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.				Precipitation, in inches.				Number of rainy days 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	Sky.	Prevailing wind direction.	Observers.			
				Mean.	Highest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unheated.										
<i>Indiana—Continued.</i>																					
Marengo.....	Crawford.....	363	30	64.7	+0.3	89	27	37	13 40	4.46	-0.63	1.06	0	10	14	11	6	sw.	J. M. Johnson.		
Marion.....	Grant.....	814	26	64.4	+3.5	89	23	37	13 36	3.84	-0.05	0.98	0	10	13	5	13	s.	James F. Hood.		
Mauzy.....	Rush.....	950	32	63.2	+2.2	86	17	37	13 38	3.36	-1.07	1.27	0	11	14	10	7	sw.	Elwood Kirkwood.		
Monticello.....	White.....	674	12							2.68		0.77	0	11	17	6	8	se.	J. E. Loughry.		
Moores Hill.....	Dearborn.....	980	11	64.7	+1.6	88	27	38	13 31	4.00	-0.44	1.65	0	7	12	21	4	6	sw.	W. S. Bigney.	
Mount Vernon.....	Posey.....	410	26	67.2	+1.1	88	23	40	13 36	3.67	-0.06	0.96	0	7	16	3	12	sw.	Guy B. Green.		
Nashville.....	Brown.....			65.6						3.40		1.61	0	7	9	14	3	w.	W. C. Goble.		
Paoli.....	Orange.....	611	15	65.1	+0.4	88	27	35	13 36	5.44	+1.42	1.95	0	13	12	15	4	sw.	James A. Gillum.		
Princeton.....	Gibson.....	481	30	67.3	+2.8	90	23	37	13 30	3.30	-0.33	1.15	0	7	16	6	9	sw.	Albert Mills.		
Richmond.....	Wayne.....	972	27	63.0	+2.3	88	23	38	13 34	2.51	-1.50	0.72	0	13	12	13	6	sw.	Walter Vossler.		
Rochester.....	Fulton.....	775	7	63.9		89	23	37	13 32	3.88		0.83	0	11	15	11	5	sw.	G. P. Keith.		
Rockville.....	Parke.....	722	26							3.15		1.15	0	9	13	14	4	s.	C. A. Lee.		
Rome.....	Perry.....	370	9	68.4		92	23	40	13 38	4.24		1.20	0	10	19	5	7	sw.	Adam Anspach.		
Salamonia.....	Jay.....		7	62.8		92	27	34	13 36	4.08		1.19	0	13	11	7	w.	S. A. Armstrong.			
Salem.....	Washington.....	717	19	65.1	+1.3	90	27	35	13 35	5.67	+1.92	1.50	0	12	13	12	6	w.	Emmet S. Allen.		
Scottsburg.....	Scott.....	570	18	69.2	+3.7	93	23	42	13 35	5.19	+1.28	1.65	0	8	10	16	5	s.	Frank H. Park.		
Seymour.....	Jackson.....	610	25	67.0	+3.4	94	23	39	13 35	4.27	+0.10	1.29	0	11	5	23	3	w.	J. Kobb Blair.		
Shelbyville.....	Shelby.....	768	8	64.6		87	23	38	13 36	4.32		0.86	0	12	16	11	4	s.	Edgar G. Hodson.		
Shoals.....	Martin.....	523	5							10.26		2.99	0	13				sw.	Rev. G. Halleck Rowe.		
Terre Haute.....	Vigo.....	498	12	66.4	+1.6	88	23	37	13 29	4.01	-0.10	0.98	0	10	17	5	9	sw.	Prof. R. G. Gillum.		
Veedersburg.....	Fountain.....	612	13	65.4	+2.9	88	23	35	13 36	3.26	-1.17	0.68	0	14	20	8	14	s.	L. A. Culver, Jr.		
Vevay.....	Switzerland.....	525	31	67.9	+2.8	90	23	43	13 30	7.20	+2.56	3.10	0	10	8	14	9	sw.	Miss Frederica Boerner.		
Vincennes.....	Knox.....	431	20	68.4	+2.5	92	23	40	13 32	4.45	+0.93	1.00	0	8	17	0	14	s.	Garrett V. List.		
Washington.....	Davies.....	484	16	66.2	+1.6	88	23	36	13 27	5.00	+1.58	1.71	0	10	21	2	8	sw.	Charles C. Feagans.		
Whitestown.....	Boone.....	529	4	64.3		88	23	38	13 31	4.92		1.28	0	13	9	21	1	sw.	Clyde O. Laughner.		
Winona Lake.....	Kosciusko.....	805	5	62.7		88	23	35	13 36	4.25		1.19	0	13	4	26	1	sw.	Rev. Albert A. Young.		
Worthington.....	Greene.....	526	30	66.6	+3.4	89	23	37	13 30	6.27	+2.21	1.54	0	13	12	14	5	sw.	D. W. Solliday.		
<i>Illinois.</i>																					
Albion.....	Edwards.....	531	21	68.4	+2.4	91	27	38	13 33	3.97	-0.20	1.38	0	8	17	10	4	s.	B. F. Michels.		
Carmi.....	White.....	399	1							3.95		1.12	0	8	17	7	7	sw.	Daniel Berry.		
Casey.....	Clark.....	645	9							3.15	-0.70	0.57	0	10	9	14	8	s.	William Chéheweth.		
Charleston.....	Coles.....	720	27	65.5	+2.0	90	23	35	13 33	3.18	+0.13	0.88	0	12	15	9	7	sw.	Jacob B. Daisy.		
Danville.....	Vermilion.....	604	11	65.7	+0.9	90	23	36	13 32	3.13	+0.13	0.88	0	12	15	9	7	s.	J. J. Lemon.		
Equality.....	Gallatin.....	421	14	69.8	+2.2	90	23	40	13 32	4.15	+0.71	1.04	0	8	23	2	6	n.	Dr. L. W. Giordan.		
Fairfield.....	Wayne.....	495	19	67.7	+1.7	90	23	36	13 32	3.20	-0.53	1.19	0	8	11	16	4	se.	George A. Troutly.		
Flora.....	Clay.....	495	26							3.65		1.63	+0.57	2.20	0	10	20	5	6	se.	Dr. D. Lawrence.
Golconda.....	Pope.....	500	34	68.6	+1.3	93	23	41	13 34	3.79	-0.29	1.29	0	8	13	5	10	sw.	Joseph S. Peak.		
Hoopeson.....	Vermillion.....	715	10	64.4		88	23	34	13 30	3.88	-0.26	0.97	0	15	21	5	5	sw.	Dr. W. Hoskinson.		
McLeansboro.....	Hamilton.....	462	29	68.0	+2.8	92	23	39	13 35	3.10	-0.69	0.93	0	10	20	4	7	s.	Prof. W. C. Fairweather.		
Metropolis.....	Massac.....	346	1							3.84		0.91	0	9	14	14	3	sw.	John Barfield.		
Monroeville.....	Effingham.....	599	2	65.4		88	23	35	13 33	2.84		0.91	0	9	14	14	3	sw.	J. C. Spitzer.		
Mount Carmel.....	Wabash.....	424	11	66.8	+0.6	90	23	38	13 32	3.98	+0.32	1.70	0	10				sw.	Mrs. H. M. Phillips.		
New Burnside.....	Johnson.....	613	17	66.6	-0.7	89	27	33	13 32	3.65	-0.23	1.10	0	7	17	4	10	s.	Thomas H. McCabe.		
Newton.....	Jasper.....	484	1							4.16		1.74	0	9	20	6	5	sw.	J. M. Hicks.		
Olnay.....	Richland.....	486	25	68.4	+2.9	89	23	38	13 31	5.84	+2.04	2.99	0	10	9	14	8	sw.	Victor E. Phillips.		
Palestine.....	Crawford.....	500	30	66.4	+2.6	88	23	39	13 28	5.69	+2.03	1.47	0	11	13	10	8	sw.	Duane Shaw.		
Paris.....	Edgar.....	600	19	64.5	+1.0	89	23	36	13 37	4.59	+0.62	1.10	0	11	9	19	3	sw.	H. P. Twyman.		
Philo.....	Champaign.....	700	28	64.0	+2.2	89	23	34	13 33	4.89	+0.89	0.90	0	9	16	9	6	sw.	H. A. Burr.		
Rantoul.....	do.....	708	21	63.6	+1.5	89	23	33	13 35	3.48	-0.91	0.91	0	13	20	2	9	sw.	William Breiner.		
Rileyville.....	Saline.....	400	15							4.26	+0.92	1.60	0	8	16	3	12	s.	W. H. Thornberry.		
Shawneetown.....	Gallatin.....	307	3							2.67		0.78	0	6				sw.	Mrs. Mary O. Spivey.		
Tuscola.....	Douglas.....	644	19											6				sw.	E. W. Lester.		
Urbana.....	Champaign.....	725	10	63.8	+2.5	87	23	37	13 29	4.16	-0.19	1.77	0	12	5	21	5	se.	Prof. J. G. Mosier.		
<i>Kentucky.</i>																					
Alpha.....	Clinton.....	18	65.9	-1.0	84	24	43	18 29	4.74	+1.29	0.95	0	10	14 <sup>a</sup>	16 <sup>a</sup>	10 <sup>a</sup>	w.	W. W. Hicks.			
Anchorage.....	Jefferson.....	700	11	65.2 <sup>e</sup>	+1.1	89	27	39	13 40 <sup>b</sup>	3.80	-0.17	1.70	0	4	16 <sup>d</sup>	2 <sup>b</sup>	9d	e.	C. E. Barrett.		
Bardstown.....	Nelson.....	637	15	68.5	+1.8	92	27	42	13 34	2.18	-1.24	1.60	0	7	17	4	10	s.	T. S. Talbott.		
Beattyville.....	Lee.....	650	8	65.6		92	24	41	13 44	4.70	+2.42	1.82	0	13	15	5	11	se.	G. W. Cann.		
Beaver Dam.....	Ohio.....	441	9	66.9	+0.9	91	24	42	13 37	3.46	-0.41	0.90	0	3	15	4	12	s.	W. T. Austin.		
Berea.....	Madison.....	1,070	11	67.7	+2.1	95	27	40	15 43	5.02	+0.89	0.90	0	10	16 <sup>a</sup>	10 <sup>a</sup>	4 <sup>a</sup>	sw.	C. F. Rumold.		
Blandville.....	Ballard.....	445	31	67.2	+0.7	87	24	43	13 28	3.49	-1.04	0.92	0	8	10	13	8	sw.	E. W. Horr.		
Bowling Green.....	Warren.....	500	23	68.2	+0.6	97	27	38	13 42	3.35	-0.73	1.62	0	9	15	4	12	s.	Mrs. L. G. Causey.		
Burnside.....	Pulaski.....	773	21							4.42	+0.35	1.22	0	13	18	3	10	sw.	G. M. Estes.		
Calhoun.....	McLean.....	397	9	68.2		89	24	41	13 32	2.69		0.71	0	11	18	4	sw.	W. A. Taylor.			
Catlettsburg.....	Boyd.....	544	23							5.60	+1.44	1.20	0	16	17	3	11	sw.	Brick Southworth.		
Earlington.....	Hopkins.....	370	22	68.4	+1.6	94	24	38	13 38	3.38	-1.89	1.07	0	6	19	6	6	s.	Miss Lee Ray.		
Edmonton.....	Metcalf.....	600	21	66.4	+1.4	90	27	41	13 38	6.48	+2.06	2.09	0	11	12	18	2	sw.	Mrs. Katie Payne.		
Eubank.....	Pulaski.....	1,177	18	6																	

TABLE I.—Climatological data for May, 1912. District No. 3—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.							Precipitation, in inches.							Sky.	Prevailing wind direction.	Observers.	
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmetted.	Number of rainy days, 0.01 inch or more.	Number of partly cloudy days.	Number of cloudy days.				
<b>Kentucky—Continued.</b>																					
Scott.	Kenton.	14	65.4	+ 1.2	87	23†	40	13	34	3.87	- 0.24	1.15	0	13	15	9	7	s.	E. B. Wilson.		
Shelby City.	Boyle.	1,087	65.0	+ 0.3	82	23	37	15	45	3.93	+ 0.11	1.38	0	11	19	5	7	s.	H. F. Ewing.		
Shelbyville.	Shelby.	759	69.2	+ 4.2	92	27	42	13	42	4.45	+ 0.44	1.10	0	7	20	4	7	sw.	C. R. Burnett.		
Taylorsville.	Spencer.	489	66.2	+ 1.2	91	23†	42	13	36	3.97	+ 0.45	1.42	0	13	11	10	10	sw.	E. D. Bourne.		
Williamsburg.	Whitley.	939	67.0	+ 0.9	93	24	44	13	43	7.22	+ 3.35	1.30	0	12	18	3	10	s.	Noble C. Jones.		
Williamstown.	Grant.	943	64.7	+ 1.3	89	27	40	13	34	5.34	+ 2.08	1.40	0	11	16	1	14	.....	Miss Rose Carter.		
<b>Tennessee.</b>																					
Ashwood.	Maury.	725	33	67.8	+ 0.2	92	27	41	18	35	1.60	- 2.36	0.85	0	7	9	12	10	s.	Mrs. Joseph W. Fleming.	
Benton.	Polk.	880	27	68.2	+ 1.2	94	25	41	18	40	3.81	- 0.40	1.93	0	10	11	18	12	n.	George L. Williams.	
Birds Bridge.	Greene.	6									4.97		2.00	0	12	15	4	12	w.	David B. George.	
Bluff City.	Sullivan.	15									5.31	+ 1.82	1.58	0	12	15	2	14	e.	John W. Fisher.	
Byrdstown.	Pickett.	1,026	19	68.4	+ 2.2	90	27	42	18	36	4.53	0.00	1.45	0	11	10	8	13	s.	John Lucy.	
Carthage.	Smith.	500	28	69.6	+ 2.6	94	23	45	18	37	5.47	+ 1.70	2.30	0	12	15	1	15	se.	Earl C. Pickering.	
Cedar Hill.	Robertson.	625	12	69.1	+ 2.0	95	27	41	13	39	4.06	- 0.17	1.55	0	8	18	10	10	sw.	J. Frank Ruffin.	
Celina.	Clay.	494	9								4.18		1.15	0	11	13	4	14	sw.	Charles M. Anderson.	
Center Point.	Chester.	400	15								4.05	- 0.08	1.55	0	6	18	1	12	s.	Halbert H. Bailey.	
Charleston.	Bradley.	709	15								3.39	- 1.49	1.70	0	7	19	0	12	s.	John T. Weeks.	
Chattanooga.	Hamilton.	808	33	68.9	+ 0.3	90	24	47	18	32	4.49	+ 0.87	2.42	0	12	9	12	10	ne.	U. S. Weather Bureau.	
Clarksville.	Montgomery.	500	49	68.6	+ 2.7	91	24†	44	13	2.63	- 1.50	0.96	0	7	16	6	6	sw.	Prof. James A. Lyon.		
Clinton.	Anderson.	800	24								4.01	+ 0.32	1.39	0	10	16	0	15	n.	Hugh Evans.	
Crossville.	Cumberland.	1,895	65.1			89	27	38	18	38	4.15		1.89	0	12	14	10	7	.....	J. E. Converse.	
Dandridge.	Jefferson.	8									5.20		1.62	0	11	12	4	15	w.	James E. Swann.	
Decatur.	Meigs.	850	16	68.2	+ 0.7	92	24†	41	17	41	3.97	- 0.53	1.82	0	11	14	11	6	sw.	J. Worth Lillard.	
Dickson.	Dickson.	800	16	67.1	+ 0.2	90	27	41	15	35	2.60	- 1.03	1.29	0	4	15	13	3	s.	Nathan R. Sugg.	
Dover.	Stewart.	500	17	68.2	+ 0.7	92	24	43	13†	36	2.49	- 1.55	0.88	0	3	18	7	6	s.	Asa M. Tippit.	
Dunlap.	Squatchie.	726	3	68.2		94	24	40	17	43	3.12		1.90	0	10	15	12	4	.....	S. Bradford Boyd.	
Elizabethhton.	Carter.	1,575	22								3.95	- 0.23	1.13	0	11	19	3	9	e.	Charles Boyd.	
Erasmus.	Cumberland.	1,850	15	63.6	+ 1.5	86	23†	35	18	44	5.42	+ 0.85	1.91	0	11	13	12	6	se.	Mrs. Sarah E. Ashley.	
Florence.	Rutherford.	560	30	68.2	+ 0.9	92	27	42	18	34	2.97	- 1.05	1.10	0	6	15	9	7	w.	Erastus P. Bell.	
Franklin.	Williamson.	648	22	68.1	+ 1.4	90	27	42	18	32	3.72	- 0.32	1.84	0	4	11	10	10	.....	Young M. Rizer.	
Halls Hill.	Rutherford.	10									3.17		1.32	0	10	20	0	11	s.	Edward F. Wright.	
Harriman.	Roane.	841	17																		
Hohenwald.	Lewis.	983	26	67.1	+ 0.9	92	24	38	17	38	3.42	- 0.81	1.50	0	10	18	12	1	s.	Mrs. Mary Lutzelman.	
Iron City.	Lawrence.	690	15	67.2	+ 0.1	92	24	40	17	37	6.44	+ 2.03	2.42	0	10	4	27	0	sw.	Capt. H. Paul Seavy.	
Jefferson City.	Jefferson.	2									4.06		1.46	0	14						Calvin C. Maddox.
Johnson City.	Washington.	1,620	1	67.2	+ 2.6	91	24†	43	18	41	3.95	- 0.24	1.41	0	9	12	11	8	w.	Ward Crosby.	
Johnsonville.	Humphreys.	364	16	68.5	+ 0.3	94	24	42	15	38	3.35	- 0.63	1.86	0	8	13	11	7	s.	Miss Sallie B. Mathews.	
Kingston.	Roane.	21									4.01	+ 0.07	2.44	0	10	32	0	9	s.	Henry Crumbliss.	
Knoxville.	Knox.	977	41	67.5	+ 1.0	89	24	45	18	32	5.94	+ 2.24	1.50	0	16	8	18	5	e.	U. S. Weather Bureau.	
Lebanon.	Wilson.	522	3	68.8		92	27	42	13	33	3.01		1.38	0	8	16	3	12	s.	H. Logan Fields.	
Lewisburg.	Marshall.	727	17	68.6	+ 1.2	93	24	42	18	37	2.51	- 1.29	1.12	0	12	16	9	6	w.	Dr. Robert D. Crutcher.	
London.	Loudon.	816	9								5.13	+ 0.91	1.96	0	10	17	10	4	w.	Robert W. Clark.	
Lynnmville.	Giles.	770	24	68.1	+ 1.5	90	24†	45	17	33	3.84	- 0.59	1.00	0	11	15	12	4	s.	Col. James H. Burrow.	
McGhee.	Monroe.	8									3.80		1.65	0	8	24	0	7	s.	Miss Alice L. Headrick.	
Maryville.	Blount.	1,050	16																	Mrs. Sam T. Broyles.	
Mountain City.	Johnson.	2,486	15	61.9	+ 0.8	84	20	35	14	42	5.22	+ 1.00	1.36	0	11	15	15	1	.....	Edward E. Barry.	
Nashville.	Davidson.	654	41	68.4	- 0.4	91	27	45	18	30	4.02	+ 0.52	1.89	0	10	12	10	9	s.	U. S. Weather Bureau.	
Newport.	Cocke.	1,280	22	66.5	+ 0.4	86	29	44	18	30	4.16	- 0.27	1.47	0	14	9	3	19	sw.	Dr. Charles T. Burnett.	
New River.	Scott.	1,215	5								4.42		1.15	0	19	20	0	11	sw.	Burl W. Putnam.	
Palmetto.	Bedford.	770	19	68.0	+ 0.1	86	24†	43	17	35	5.24	+ 1.22	1.89	0	13	15	12	4	.....	Mrs. Ross Woods.	
Perryville.	Decatur.	387	15	68.4		90	24	40	18	38	3.62	- 0.33	1.39	0	7	11	13	7	e.	Oliver C. Kirksey.	
Pinewood.	Hickman.	5		67.8		91	24†	40	17	40	1.76		1.20	0	6	13	11	7	s.	Miss Carrie Cash.	
Rogersville.	Hawkins.	1,150	27	67.0	+ 2.3	88	24†	42	18	36	4.85	+ 1.15	1.34	0	15	18	9	4	e.	Fred Beal.	
Rugby.	Morgan.	1,410	24	64.9	+ 1.1	90	23†	45	18	35	4.53	+ 2.21	1.20	0	14	10	5	16	nw.	Samuel G. Wilson.	
Savannah.	Hardin.	442	28	69.4	+ 0.7	93	24	43	17	37	2.27	- 2.08	0.93	0	8	18	2	11	s.	W. H. Carrington.	
Sevierville.	Sevier.	6		68.8		88	24	42	18	36	5.57		1.90	0	13	5	11	sw.	Herbert O. Eckel.		
Sewanee.	Franklin.	2,000	16	66.9	+ 1.6	85	23†	43	17	36	4.55	+ 0.40	3.06	0	6	12	6	13	s.	Univ. of the South.	
Sparta.	White.	920	67	67.4		90	24	43	1	37	6.10		2.00	0	8	13	4	14	w.	Earnest H. Hull.	
Springville.	Henry.	377	9	67.3	+ 0.6	90	24	41	15	38	3.05	- 2.02	1.68	0	12	18	9	4	s.	Hudnall A. Boden.	
Tazewell.	Claiborne.	1,350	15	64.6		89	24	37	18	40	5.19	+ 1.25	1.65	0	13	15	4	12	sw.	J. Caloway Carr.	
Tullahoma.	Coffee.	1,075	24	66.9	+ 1.2	90	24	42	17	39	5.54	- 0.12	1.71	0	10	12	7	5	.....	Benben T. Moore.	
Walling.	White.	909	9								7.49		2.17	0	9	18	4	9	s.	John K. Roberts.	
Waynesboro.	Wayne.	753	26	67.0	+ 0.8	89	23†	38	17	41	4.95	+ 1.03	1.45	0	9	8	15	8	s.	Harry C. Boyd.	
Wildersville.	Henderson.	400	15	70.4	+ 2.6	94	24	34	17	35	2.77	- 2.59	1.36	0	4	15	12	4	s.	William R. Wilson.	
Worsham.	Sumner.	550	11								3.10	- 1.59	1.65	0	6	18	2	11	s.	James G. Elzer.	
Yukon.	Lincoln.	850	15	68.3	- 0.5	89	23†	43	17	32	6.17	+ 2.08	2.49	0	9	11	17	3	w.	William P. Watson.	
<b>Alabama.</b>																					
Bridgeport.	Jackson.	660																			

TABLE 1.—*Climatological data for May, 1912. District No. 3—Continued.*

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.				Sky.	Prevailing wind direction.	Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.
<i>North Carolina—Contd.</i>																		
Bryson City.	Swain.	2,000	24								3.75	-0.03	1.80	0	8			D. K. Collins.
Cullowhee.	Jackson.	2,100	2	64.0		88	24	36	14†	46	4.54		1.80	0	10	18	3	Frank H. Brown.
Eagle Nest.	Haywood.	5,050																S. C. Satterthwait.
Hendersonville.	Henderson.	2,167	16	63.2	-0.5	87	24†	38	14†	41	6.99	+2.42	1.73	0	12	22	2	Dr. L. B. Morse.
Highlands.	Macon.	3,670	22	57.4	-0.6	80	25	34	18	34	6.02	+1.47	1.50	0	10	13	9	T. G. Harbison.
Hot Springs.	Madison.	1,326	14	65.8	-0.2	87	3†	43	19	37	3.05		1.29	0	10	14	12	P. A. Garner.
Jefferson.	Ash.	2,800	5															Prof. E. J. Johnson.
Marshall.	Madison.	1,646	10	65.2	+1.1	87	23†	41	14	39	3.10	-0.43	1.32	0	8	18	4	M. L. Church.
Murphy.	Cherokee.	1,614	36								3.42	-0.18	2.00	0	9			James C. Midgett.
Rock House.	Macon.	3,100	20															Barry C. Hawkins.
Transon.	Ash.	2,600		59.5		81	23†	31	10	42	4.62		1.29	0	8	18	7	S. M. Transon.
Waynesville.	Haywood.	2,756	18	62.8	+0.6	86	27	35	18	42	3.58	-0.30	1.24	0	15	20	3	Judge J. C. L. Gudger.
<i>Virginia.</i>																		
Blacksburg.	Montgomery.	2,170	21	61.0	+0.7	88	20	36	14	42	4.60	+0.02	2.04	0	10	14	8	Agr. Exp. Station.
Burke's Garden.	Tazewell.	3,250	17	57.2	-0.5	79	22†	29	10	45	3.00	-2.78	1.22	0	8	15	2	C. H. Greever.
Elk Knob.	Lee.	3,243	9	65.4		87	24	41	13†	32	4.03		1.93	0	13	15	7	Henry Nicoll.
Ivanhoe **.	Wythe.	2,028	8	61.3		80	28	44	14	28	2.83		1.18	0	10	17	10	Miss Alice G. Jewett.
Lebanon.	Russell.	2,131	2	62.4		87	23	34	22	43	1.94		0.82	0	6	16	3	R. D. Swain.
Max Meadows.	Wythe.	2,028	16	61.2	-0.7	88	24†	36	10†	44	4.67	+0.73	2.12	0	9	17	9	James M. Graham.
Mendota.	Washington.	1,350	3								4.44		0.93	0	12			Frank M. Barker.
Mountain Lake.	Giles.	4,348	2	57.4		77	8	33	14†	39	3.86		1.25	0	5	20	6	H. E. Dorland.
Radford.	Montgomery.	1,773	3								4.88		2.20	0	6			Arthur Roberts.
Speers Ferry.	Scott.	1,221	16								4.36	+0.41	1.10	0	12			Mrs. L. E. Venable.
Wytheville.	Wythe.	2,293	19	61.0	-0.4	83	23	38	14	40	4.16	+0.25	1.68	0	12	20	7	U. S. Weather Bureau.

\*, b, c, etc., indicate respectively 1, 2, 3, etc., days missing from the record.

\*\* Temperature extremes are from observed readings of the dry bulb; means are computed from observed readings.

† Also on other dates.

T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—*Daily precipitation for May, 1912. District No. 3, Ohio Valley.*

Stations.	Watershed.	Day of month.																																					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.						
<i>New York.</i>																																							
Allegany.	Allegheny.	.02	.18	T.	.03	.13	.14	.65	.21	.14	.01	.08	.13	.10	T.	.41	.21	.01														.15	2.39						
Bolivar.	do.	.40	T.	.01	.15	.12	T.	.42	.10	.00	.04	.13	.03	.04	.39	.11	.02															.21	2.56						
Olean.	do.	.07	.04			.15		.65	.05	.14	.40	.27	.12																		.13	2.62							
<i>Pennsylvania.</i>																																							
Aleppo.	Ohio.	.10	.10	.55	.40	.05		.05	.19	.12	.01	.14	.37	.22	.01																	.17	2.04						
Baldwin.	Allegheny.	.01	.04	.02	.04			.05	.20	.13	.36	.16	T.	.01																		.22	2.03						
Beaver Dam.	Ohio.	.02	T.	.04	T.			.04	.13	.03	.04	.39	.11	.02																		.02	1.17						
Beaver Falls.	do.																																.08	1.09					
Brookville.	Allegheny.	.27	.14																														.30	.05					
California.	Monong'h'a.	.55																																.01	2.13				
Clarion.	Allegheny.	.20	.10																															.10	1.72				
Claysville.	Ohio.	.02	.24	.01																															.15	1.34			
Confluence.	T.	T.	.16																															.02	3.63				
Coraopolis.	Ohio.	.11	.03	.02																															.34	1.90			
Davis Island Dam.	do.	.45	.04	.01																																.17	1.76		
Derry Station.	Allegheny.	.04	.13	.46																															.09	2.26			
Ellwood City.	Ohio.	.02	.01																																	.22	1.21		
Franklin.	Allegheny.	.74																																		.14	2.54		
Freeport.	do.	.07	.03																																	.01	1.96		
Greensboro.	Monong'h'a.	.30	.16	.06																															.18	2.46			
Greensburg.	You'og'ny.	.01	T.	.18	.22	.09																												.08	1.76				
Grove City.	Ohio.	.04	T.	.04																																.53	1.84		
Herrs Island Dam.	Allegheny.	.65	.15																																	.25	2.71		
Indiana.	Allegheny.	.01	.49	.04	.04																															.19	1.51		
Irwin.	do.	.20	.32																																	.36	3.55		
Johnstown.	Monong'h'a.	.32	.12	.09	T.																															.18	2.18		
Lock No. 4.	Allegheny.	.04	.24	.07	.10																															.06	5.00		
Lock No. 4.	Monong'h'a.	.35	.30																																	.25	2.25		
Lycippus.	Allegheny.	.29	.54	.15																																	.32	2.91	
Parkers Landing.	do.	.74	T.	T.																																	.04	2.40	
Pittsburgh.	Ohio.	.47	.09	.10																																	.20	1.56	
Saegerstown.	Allegheny.	.17	.74																																		.25	3.96	
Saletburg.	do.	.08	.26	.15	.21																																.06	2.10	
Sharon.	Ohio.	.17	.17	T.	.02																															.36	1.94		
Skidmore.	do.	.50																																			.35	2.05	
Somerset.	You'og'ny.	.10																																				.51	4.53
Springdale.	Allegheny.	.07	.03	.01																																	.04	2.08	
Uniontown.	Monong'h'a.	.06	T.	T.	.57																																.75	2.42	
Warren.	Allegheny.	.30																																			.10	2.78	
West Newton.	You'og'ny.	.03	.02																																		.02	3.01	
<i>Maryland.</i>																																							
Deer Park.	You'og'ny.	.30	.08																																			.18	3.03
Grantsville.	do.	.60	T.																																		.05	4.05	
Oakland.	do.	.02	T.	.12	.01																														.09	3.03			
<i>West Virginia.</i>																																							
Bancroft.	G. Kanawha	.17	.40	.90																																		.57	4.31
Beckley.	do.	1.00	.62																																			.82	5.44
Bens Run.	Ohio.	.06																																				.89	2.40
Bluefield.	G. Kanawha	.70	.12	.08																																		.51	4.03
Brandoville.	Monong'h'a.	.50	.20																																			.21	3.51
Buckhannon.	do.	.15	.35	.03																																		.84	4.08
Cairo.	L. Kanawha	.15	.55	.50	.22																																	.35	3.39
Charleston.	G. Kanawha	.08	.07	.38	.45																																.55	3.25	
Creston.	L. Kanawha	.34	.26	.53	T.																																.55	4.06	
Cuba.	Jackson.	.50																																				.35	3.25
Davis.	Monong'h'a.	.13	T.	.06	.19	.21																														.21	5.01		
Doane.	Big Sandy.	.50	.48	.75	.69	.02																														.52	5.20		
Elizabeth.	L. Kanawha	.19	.32	.12	.07																																.04	3.41	
Elkhorn.	Big Sandy.	.45	.11	.18																																	.65	4.02	
Elkins.	Monog'h'a.	.13	.02	.39	.09			</td																															

TABLE 2.—*Daily precipitation for May, 1912. District No. 3—Continued.*

TABLE 2.—*Daily precipitation for May, 1912. District No. 3—Continued.*

Stations.	Watershed.	Day of month.																																	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total.		
<i>Indiana—Contd.</i>																																			
Huntingburg.	Wabash.																																		3.4
Huntington.	do.	.08																																4.4	
Indianapolis.	West Fork, White.																																	5.6	
Jeffersonville.	Ohio.																																	3.4	
Judyville.	Wabash.																																	3.7	
Kokomo.	do.	.41																																3.5	
Lafayette   .	do.	.88																																4.6	
Laurel.	Whitewater.																																	2.5	
Logansport.	Wabash.																																	3.6	
Madison.	Ohio.																																	4.6	
Marengo.	do.	.04																																4.4	
Marion   .	Wabash.																																	3.8	
Mauzy.	East Fork, White.																																	3.30	
Monticello   .	Wabash.	.77	T.	T.	T.	T.	T.	.05																									2.68		
Moores Hill.	Ohio.																																	4.0	
Mount Vernon   .	do.																																	3.6	
Nashville.	East Fork, White.																																	3.40	
Paoli.	do.	.02	.11	.92																														5.4	
Princeton.	Wabash.																																	3.30	
Richmond.	Whitewater.																																	2.51	
Rochester.	Wabash.																																	3.88	
Rockville.	do.	.19	T.	.40																													4.18		
Rome.	Ohio.																																	4.23	
Salamonia.	Wabash.																																	4.08	
Salem.	Ohio.																																	5.67	
Scottsburg.	East Fork, White.																																	5.19	
Seymour.	do.																																	4.27	
Shelbyville.	do.																																	4.32	
Shoals   .	do.																																	10.26	
Terre Haute.	Wabash.	T.	.54																														4.01		
Veedersburg.	do.																																	3.26	
Vevay.	Ohio.																																	7.20	
Vincennes   .	Wabash.	T.																																4.45	
Washington.	West Fork, White.																																	5.00	
Whitestown   .	do.																																	4.92	
Winona Lake.	Wabash.																																	4.25	
Worthington.	West Fork, White.																																	6.27	
<i>Illinois.</i>																																			
Albion.	Wabash.																																	3.97	
Carmi.	do.																																	3.95	
Casey.	do.																																	3.15	
Charleston.	do.																																	3.68	
Danville.	do.																																	4.15	
Equality.	Ohio.																																	3.20	
Fairfield.	Wabash.																																	4.63	
Flora.	do.																																	3.79	
Goleonda.	Ohio.																																	3.79	
Hooperston.	Wabash.																																	3.88	
McLearnsboro   .	Ohio.																																	3.10	
Metropoli.	do.																																	2.84	
Monrose.	Wabash.																																	3.98	
Mount Carmel   .	do.																																	3.65	
New Burnside   .	Ohio.																																	4.10	
Newton.	Wabash.																																	5.84	
Odney   .	do.																																	5.69	
Palestine.	do.																																	4.59	
Paris   .	do.																																	4.89	
Philo.	do.																																	3.48	
Rantoul   .	do.																																	4.25	
Rileyville.	Ohio.																																	2.67	
Shawneetown   .	do.																																	4.16	
Tuscola.	Wabash.																																		
Urbana.	do.																																		
<i>Kentucky.</i>																																			
Alpha.	Cumberland	T.	.85																															4.74	
Anchorage.	Ohio.																																	3.80	
Bardstown   .	Salt.																																	2.18	
Beattyville   .	Kentucky.																																	6.70	
Beaver Dam   .	Green.	T.																																3.46	
Berea.	do.																																	5.02	
Blandville.	T.																																	3.49	
Bowling Green   .	Green.																																	3.35	
Burnsides   .	Cumberland			</																															

TABLE 2.—*Daily precipitation for May, 1912. District No. 3—Continued.*

TABLE 2.—*Daily precipitation for May, 1912. District No. 3—Continued.*

Stations.	Watershed.	Day of month.																													Total.		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
<i>North Carolina—Con.</i>																																	
Blantyre.....	Tennessee .....	.06	.04	.80	.50	.08	.....	.....	.50	.02	.....	.....	.80	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.24	
Blowing Rock.....	G. Kanawha .....	.42	.10	.....	.....	.....	.....	1.27	1.87	.....	.....	1.11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.87		
Brevard.....	Tennessee .....	.50	.51	.10	.....	.....	.....	.....	.25	.....	.55	.....	T.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.06		
Bryson City    .....	do.....	.62	.22	.07	.....	.....	.....	.....	.25	.....	.20	.....	.28	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.75		
Cullowhee.....	do.....	.79	.04	.34	.29	.....	.....	.01	.....	.08	T.	.....	.58	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.54		
Eagle Nest.....	do.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
Hendersonville.....	do.....	.30	.62	1.73	.28	.62	.....	.....	1.42	.31	.....	.....	.35	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6.99		
Highlands.....	do.....	1.40	.35	.50	.12	.....	.....	.....	.50	.26	.....	.....	.50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6.02		
Hot Springs.....	do.....	.04	.18	.....	.23	.....	.....	.03	.....	.05	T.	.....	.78	.02	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.05			
Jefferson.....	G. Kanawha .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
Marshall.....	Tennessee .....	.04	.10	.06	.70	.....	.10	.....	.....	.....	.....	T.	.70	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.10		
Murphy    .....	do.....	.21	.17	.06	.61	.06	.....	.....	.....	.....	.....	.03	.23	.05	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.42		
Rock House.....	Savannah .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
Transon.....	G. Kanawha .....	T.	.....	T.	.23	T.	.05	.....	.07	.....	1.28	1.29	.....	T.	.38	.85	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.62		
Waynesville    .....	Tennessee .....	.01	.....	.51	.05	.04	.48	.03	.06	.....	.11	.06	.01	.....	.68	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.58		
<i>Virginia.</i>																																	
Blacksburg.....	Kanawha .....	.....	.....	.04	.20	.05	.....	.....	2.04	.48	.....	10	.23	1.34	T.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.10		
Burkes Garden.....	Tennessee .....	.....	T.	T.	.40	.....	.....	.51	.20	.....	T.	.30	1.22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.00			
Elk Knob.....	do.....	.06	.15	.43	.19	.02	.04	.....	.11	.06	T.	.02	.09	.61	T.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.03			
Ivanhoe.....	Kanawha .....	T.	.....	T.	.08	.02	.34	.08	.....	1.18	.14	.20	.33	T.	.21	.82	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.83			
Lebanon.....	Tennessee .....	.....	.....	.....	.20	.....	.18	.....	.20	.33	.....	T.	.21	.82	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.94				
Max Meadows.....	Kanawha .....	.....	.....	.45	.62	.15	.28	.....	1.30	.82	.....	.22	.80	.....	.....	T.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.67			
Mendota.....	Tennessee .....	.....	.....	.08	.12	.44	.18	.....	.05	.....	.30	.....	.30	.92	.08	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.44			
Mountain Lake.....	Kanawha .....	.....	.....	.22	T.	.....	.....	1.01	1.18	.....	T.	1.25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.86				
Radford.....	do.....	.....	.....	.....	.60	.....	.....	2.20	.50	.....	.48	.90	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.88			
Speers Ferry.....	Tennessee .....	.....	.....	.40	.16	.24	.10	.40	.....	.20	.....	.26	.56	.22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.36			
Wytheville.....	Kanawha .....	.....	.....	.05	.66	.20	.02	.....	.41	1.45	.....	.19	.19	.71	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.16			

\* Precipitation included in that of the next measurement.

† Separate dates of falls not recorded.

||| Precipitation for the 24 hours ending on the morning when it is measured.

T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 3.—Maximum and minimum temperatures at selected stations for May, 1912. District No. 3, Ohio Valley.

Date.	Pennsylvania.				West Virginia.										Ohio.													
	Greenville.		Pittsburgh.		Charleston.		Elkhorn.		Elkins.		Glenville.		Huntington.		Morgantown.		Parkersburg.		Wheeling.		Canton.		Cincinnati.		Columbus.		Dayton.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1....	68	34	71	42	78	52	80	42	78	46	83	50	78	49	72	44	75	52	77	42	70	41	76	50	72	49	70	46
2....	74	42	75	58	84	53	82	48	77	47	86	48	84	51	76	53	79	54	84	52	76	55	82	59	80	50	80	60
3....	73	49	73	54	85	59	85	50	81	47	84	50	83	57	77	50	80	54	84	51	74	48	81	61	78	56	80	56
4....	79	54	78	52	85	61	73	58	81	50	90	49	82	59	80	57	84	56	86	48	78	48	83	62	84	55	83	56
5....	79	50	77	72	76	60	75	54	70	56	76	60	75	60	74	60	80	54	75	56	80	60	72	61	77	62	82	57
6....	82	60	76	63	80	61	77	57	81	56	84	56	76	58	82	62	78	60	84	60	79	59	71	62	75	64	71	60
7....	76	57	68	59	67	64	73	58	68	59	87	63	67	61	68	59	71	61	74	61	79	61	76	60	77	62	76	62
8....	78	47	75	55	80	58	77	77	52	81	53	80	57	75	55	78	57	82	51	76	52	76	57	73	55	73	56	73
9....	57	46	59	50	79	58	76	50	63	50	71	51	71	56	69	54	64	52	68	51	62	48	69	54	64	49	65	49
10....	73	33	72	46	77	46	82	39	75	37	81	41	76	45	76	43	76	45	80	40	75	38	76	51	73	48	75	47
11....	62	39	77	57	54	71	50	74	41	74	58	79	49	79	59	72	54	72	45	65	48	70	59	68	59	70	58	
12....	75	52	74	55	72	48	73	52	77	55	80	55	70	58	76	58	73	52	72	55	62	42	66	43	61	43	63	
13....	64	34	55	39	63	43	61	44	57	40	66	42	67	45	62	41	61	43	57	37	64	42	60	38	60	38	60	
14....	62	37	62	44	63	45	64	39	62	36	64	40	64	45	62	42	64	43	69	38	61	38	64	48	61	46	62	48*
15....	68	36	68	46	69	43	60	45	60	38	70	40	72	42	67	41	70	42	78	41	69	49	66	47	67	47	67	47
16....	68	52	69	50	73	53	66	50	72	47	75	51	68	46	72	53	70	51	75	55	70	51	62	48	65	48	63	47
17....	54	41	54	46	62	47	56	41	48	44	61	46	64	48	65	45	60	48	57	47	61	46	66	48	64	47	64	45
18....	72	34	69	47	73	45	75	41	67	38	83	40	76	45	69	45	72	46	76	39	72	38	73	51	71	48	71	48
19....	63	51	71	58	80	48	80	49	75	43	84	44	85	55	75	56	79	59	82	46	70	54	82	60	78	56	80	57
20....	83	45	82	59	86	51	85	49	82	48	89	57	86	54	82	62	84	60	88	55	83	51	82	63	81	62	80	61
21....	84	49	82	63	86	55	80	48	83	46	89	50	87	53	83	55	84	56	89	52	84	51	84	62	83	60	82	60
22....	85	53	85	62	87	56	84	48	89	47	93	50	88	55	87	56	92	53	86	53	86	62	85	62	84	63	85	63
23....	87	52	86	65	88	57	87	49	86	51	93	54	90	57	87	57	91	61	88	60	93	55	87	62	86	63	86	65
24....	84	50	83	65	87	58	84	50	83	53	92	54	87	61	85	63	86	66	89	59	85	67	84	67	85	66	84	62
25....	70	45	72	56	85	60	82	58	78	57	82	57	81	54	76	66	74	59	80	53	73	52	76	61	75	57	75	58
Mns..	73.6	45.6	73.3	54.2	78.4	54.2	76.3	40.4	73.9	47.5	81.5	51.2	78.0	53.4	75.7	53.6	75.9	54.4	80.3	50.1	74.3	50.2	75.9	56.4	73.9	54.5	74.1	54.6

Date.	Ohio.				Indiana.										Kentucky.													
	Marion.		Waverly.		Butlerville.		Evansville.		Indianapolis.		Kokomo.		Rockville.		Worthington.		Philo, Ill.		Beattyville.		Bowling Green.		Earlington.		Greensburg.		Lexington.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1....	70	44	78	44	74	49	75	53	73	49	70	47	.....	49	73	52	72	49	85	41	81	46	80	48	82	44	76	51
2....	82	57	83	49	85	56	85	61	80	62	72	50	.....	59	86	57	77	59	80	49	80	48	89	52	86	50	82	59
3....	83	52	83	53	83	57	83	64	81	60	80	54	.....	62	86	59	84	58	88	53	89	54	87	58	86	54	81	62
4....	87	50	84	54	85	59	82	65	81	62	82	52	.....	60	85	63	82	59	87	57	87	62	77	56	84	63	81	64
5....	80	59	74	56	82	62	83	67	78	64	78	59	.....	62	82	62	79	61	88	64	92	66	80	80	80	73	63	
6....	81	60	71	58	77	62	79	63	73	61	77	52	.....	55	70	60	79	52	78	57	83	62	83	60	72	60	75	61
7....	80	63	73	61	82	59	80	62	79	59	80	55	.....	54	81	55	80	55	76	62	85	60	85	58	72	60	73	61
8....	74	55	80	55	77	55	80	63	75	57	72	53	.....	55	78	55	77	51	82	54	86	56	85	56	82	57	76	57
9....	73	45	70	52	71	51	76	60	67	50	66	41	.....	46	73	51	68	44	75	51	86	58	83	58	77	52	68	56
10....	80	39	78	41	77	45	77	55	75	51	75	44	.....	45	77	47	77	47	83	42	90	48	86	48	82	45	77	51
11....	73	55	70	45	72	56	78	59	73	58	76	57	.....	60	78	61	75	62	80	55	84	60	84	60	76	52	69	58
12....	62	68	55	55	61	45	62	49	60	47	61	41	.....	40	64	57	62	44	64	57	60	56	55	52	60	57	64	43
13....	61	34	66	42	63	38	64	44	62	38	60	36	.....	36	65	37	64	34	69	44	74	38	69	38	52	40	61	42
14....	62	40	64	41	74	47	66	56	62	50	59	47	.....	48	67	49	62	34	63	43	66	42	67	47	66	48	61	49
15....	70	42	71	41	67	45	66	53	64	49	65	44	.....	44	70	51	60	45	73	44	74	42	74					

TABLE 3.—*Maximum and minimum temperatures for May, 1912. District No. 3—Continued.*

Date.	Kentucky.						Tennessee.										Decatur, Ala. §§		Asheville, N. C.		Virginia.							
	Louisville.		Maysville. ville. §§		Williams- burg. §§		Chatta- nooga.		Johnson City. §§		Knoxville.		Nashville.		Palmetto.		Sparta.		Waynes- boro.				Elk Knob.		Wythe- ville.			
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		
1....	78	54	80	45	83	44	79	52	82	45	79	48	77	50	80	45	80	43	82	42	79	47	67	49	75	47	67	40
2....	87	59	87	50	86	47	77	63	82	55	80	57	81	58	82	54	83	56	84	52	83	61	76	54	79	58	83	43
3....	86	62	88	51	89	54	78	61	80	57	82	58	81	62	76	59	81	55	80	60	79	61	78	53	83	61	79	51
4....	85	66	89	53	78	57	73	64	75	63	68	63	79	65	81	62	76	63	81	60	85	64	67	58	70	62	64	58
5....	85	65	81	57	85	54	77	65	81	59	80	63	78	61	80	61	83	61	85	64	83	67	72	56	76	59	69	54
6....	73	63	76	59	80	60	77	64	83	59	79	62	77	65	80	64	78	58	73	63	80	65	71	61	78	58	72	54
7....	80	61	79	61	78	62	72	63	72	61	73	63	79	64	75	63	74	62	74	64	70	59	70	60	69	58	75	58
8....	80	59	81	54	83	55	84	58	81	61	82	61	83	62	83	65	82	59	84	64	84	56	74	57	77	55	75	57
9....	72	58	72	54	80	53	84	63	79	57	79	58	83	64	85	60	82	56	84	57	85	62	74	55	73	53	70	52
10....	82	54	84	43	87	47	85	59	86	45	84	53	84	58	87	52	84	57	88	63	76	50	81	49	78	39	78	39
11....	77	60	70	56	86	56	79	66	82	57	77	63	79	60	79	60	79	61	82	62	85	67	71	59	74	64	66	53
12....	61	45	68	57	65	53	66	53	74	59	68	53	63	50	65	54	64	54	67	55	64	59	74	55	66	55	75	55
13....	66	42	67	42	68	46	70	51	71	48	67	49	67	47	66	45	63	50	67	44	68	49	62	46	65	41	60	42
14....	66	52	67	43	83	47	73	52	70	44	68	51	62	51	65	50	63	50	61	47	72	59	69	60	48	64	38	64
15....	71	48	76	40	70	50	72	54	73	49	70	52	67	47	67	49	68	50	65	45	76	64	69	47	69	57	48	
16....	56	48	67	44	62	50	67	52	69	54	64	48	61	48	65	50	64	51	63	48	67	62	67	46	59	43	66	45
17....	67	48	67	47	64	47	67	47	60	47	62	48	62	48	65	43	62	45	67	38	69	44	59	44	59	41	55	44
18....	74	52	75	43	76	44	76	47	73	43	73	45	75	45	74	45	75	44	76	41	74	46	69	40	71	46	66	42
19....	84	59	81	45	87	44	80	51	83	49	81	49	80	53	80	48	82	45	81	44	80	49	79	44	82	52	77	43
20....	83	63	86	55	88	50	83	53	87	50	84	54	83	56	83	53	85	50	83	47	84	54	81	48	83	60	83	48
21....	86	61	89	51	87	50	82	56	82	55	81	56	84	58	85	55	86	51	85	44	88	56	77	48	80	60	80	48
22....	88	62	91	54	88	48	86	56	87	52	84	55	87	61	85	59	88	53	86	59	89	57	79	48	83	61	81	48
23....	90	65	92	54	90	50	50	57	89	54	87	57	88	64	88	64	88	54	89	57	92	63	82	50	85	64	83	47
24....	86	69	88	59	93	56	90	64	91	54	89	60	89	68	89	69	81	61	90	56	89	55	91	62	83	54	87	62
25....	77	62	80	56	85	60	89	67	88	60	84	63	85	67	87	62	85	65	89	59	92	66	81	57	77	57	71	59
26....	85	59	85	50	84	55	87	66	85	55	84	65	88	66	87	62	89	62	89	66	91	65	79	60	80	55	77	48
27....	90	66	91	50	87	56	84	64	91	54	88	59	91	65	89	66	86	59	83	68	92	67	80	57	84	63	79	47
28....	79	68	87	54	87	60	84	63	85	60	84	63	81	64	84	69	86	67	83	62	89	67	77	61	80	60	80	59
29....	77	60	82	63	81	63	82	63	80	61	80	62	80	64	81	64	88	63	84	63	78	64	77	59	75	57	75	57
30....	74	59	66	56	77	60	80	62	83	60	78	63	75	60	75	60	77	66	76	57	78	62	74	57	75	56	72	54
31....	84	57	83	51	86	54	84	62	86	53	84	60	83	59	84	54	87	54	84	52	82	59	81	53	83	53	81	45
Mns.	78.4	58.3	79.3	51.5	81.4	52.6	79.2	58.6	80.3	54.2	78.2	56.8	78.5	58.4	79.0	56.9	79.4	55.3	79.5	54.6	81.3	59.7	74.0	52.4	75.5	55.2	72.8	49.3

\*, b, c, etc., indicate respectively 1, 2, 3, etc., days missing from the record.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.